CLAIMS

- sale el regulating adenovirus Α method of packaging comprising the steps of:
- adenovirus vector obtaining an a. containing a repressor binding site;

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- propagating said vector in the absence of said repressor; and
- repressing packaging of said vector in the presence of repressor.
- 1 the method of claim wherein 2. The repressor is COUP-TF.
- claim 1 wherein the method οf 3. The 15 repressor is lac repressor.
 - The method according to claim 1 wherein 4. the propagating step occurs in a first cell line and the repressing step occurs in a second cell line.
- wherein of claim 1 5. The method repressing step occurs in a cell line is coinfected with a vector expressing the repressor. 25
 - comprising adenovirus vector 6. An adenovirus packaging sequence containing a plurality of COUP-TF binding sites.
 - adenovirus vector comprising .7. An adenovirus packaging sequence having at least two copies of $5'-TTTGN_8CG-3'$ and a plurality of COUP-TF binding sites.

8. An adenovirus vector according to claims 6 or 7 further comprising a heterologous gene for expression in a host.

9. A method of treating patients comprising the step of:

administering an adenovirus vector that was prepared using the adenovirus vector of claim 8 wherein the heterologous gene expresses a therapeutically effective amount of a protein.

- 10. An adenovirus vector containing a packaging signal sequence consisting of at least two copies of 5'-TTTGN $_8$ CG-3'.
- 11. An adenovirus vector according to claim 10 wherein a repressor binding site is embedded in the packaging signal sequence.
 - 12. An adenovirus vector according to claim 10 wherein repressor binding sites flank the packaging signal sequence.
 - 13. An adenovirus vector according to claim 10 wherein repressor binding sites alternate with the packaging signal sequence.
 - 14. An adenovirus vector according to claim
 10 having 3-12 packaging signal sequences.

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- 15. An adenovirus vector according to claim 14 wherein a repressor binding site is located between packaging signal sequences.
- 16. An adenovirus vector according to claim 5 11 or 15 wherein the repressor binding site is a lac repressor site.
- 17. An adenovirus vector according to claims 10 11 or 15 wherein the repressor binding site is a E2F hinding site.
- 18. An adenovirus vector according to claim 10 further comprising a heterologous gene for expression 15 in a host.
 - 3 421 my A method of treating patients comprising 19. the steps of:
- 20 administering an adenovirus vector that was prepared using the adenovirus vector of claim 18 the heterologous gene expresses wherein therapeutically effective amount of a protein.
 - 20. A composition comprising P-complex.

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